

KOPCSAY, Gabor

The Danubian Cement Works. Magyar ipar 14 no.2:75-88 '65.

KOPCSO, I.

Labor productivity and profitableness in growing winter apples. p. 312,
AGRARTUDOMANY (Micsurin Agrartudományi Egyesület) Budapest, Vol. 8,
No. 7, July 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

KOPCSO, I.

We produce an insecticide containing a virus which infects the American Bombyx. p. 315, AGRARTUDOMANY (Micsurin Agrartudományi Egyesület) Budapest, Vol. 8, No. 7, July 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

KOJCZYK H. Osr. toksykol. przemysl., Zakl. Med. sad., Akad. med., Poznan. Olowica w przemysle poligraficznym Lead poisoning in printing works Med. Pracy 1953, 3/3-4 (295-302) Tables 1

Cases of lead poisoning in the printing industry are now very rare. Comparison shows that lead poisoning in the Polish printing industry was 4.9% in 1929 and 0.8% in 1951. For the determination of the lead content in the air of the production rooms the 'ditizon' method was employed.

Wysocki - Poznan (VI, 4)

SO: EXCERPTA MEDICA, Section VI, Vol. 8, #1, January 1954

KOPCZYK, Henryk, dr med. (Poznan, Zakl. Medyc. Sad. Ak.Med., ul.
Swiecickiego 6)

Significance of examination of noxious substances in air in
industrial plants. Polski tygod. lek. 9 no.23:723-726 7 June 54.

1. Z Ośrodka Toksykologii Przemysłowej, przy Zakładzie Medycyny
Sadowej Akademii Medycznej w Poznaniu; p.o. kierownika: dr med.
Edmund Chroscielewski.

(AIR POLLUTION,
indust., exam.)

CZARNECKI, Ryszard; BIALECKI, Mieczyslaw; BACZYK, Kazimierz; KOPCZYK, Teresa

Effect of therapeutic use of hemodialysis on riboflavin concentration
in the blood. Polski tygod. lek. 15 no. 43/44:1691-1693 24 0 '60.

1. Z II Kliniki Chorob Wewnętrznych A.M., w Poznaniu; kierownik:
prof.dr J.Roguski i z Zakładu Patologii Ogólnej A.M. w Poznaniu;
kierownik: prof.dr A.Horst.
(DIALYSIS)
(VITAMIN B2 blood)

BRZEZINSKI, Z.J.; KOPCZYNSKA, J.; JACHOWICZ, L.

Modified Harpenden caliper for skinfold fat measurement.
Roczn panstw zakl hig 14 no.5:423-426 '63.

1. Institute of General Hygiene, School of Medicine, Warsaw,
Head: Prof. Dr M. Kacprzak, and Voivodeship Dispensary for
School Hygiene, Warsaw.

KOPCZYNSKA, J. dwiga

Studies on developmental age of school children according to
established skeletal age. *Pediat. polska* 34 no.6:859-870 June 59.

1. Z Zakladu Higieny Ogolnej A. M. w Warszawie Kierownik: prof.
dr med. M. Kacprzak
(GROWTH)

KOPCZYNSKA, Jadwiga; BRZEZINSKI, Zbigniew Jan

A simple method for the evaluation of the somatic development in children according to body weight and height. *Pediat. Pol.* 37 no.1: 39-47 Ja '62.

1. Z Zakladu Higieny Ogolnej AM w Warszawie Kierownik: prof. dr med. M. Kacprzak.

(BODY WEIGHT in inf & child)
(BODY HEIGHT in inf & child)

KOPCZYNSKA, Jadwiga

Further studies on the skeletal age evaluated according to examination of bones of the hand and wrist in children in Warsaw. I. Pediat. pol. 36 no.8:845-853 '61.

1. Z Zakladu Higieny Ogolnej AM w Warszawie Kierownik: prof. dr. med. M. Kaoprzak i z Zakladu Radiologii Pediatricznej AM w Warszawie Kierownik: prof. dr med. K. Rowinski.
(ANTHROPOMETRY) (OSSIFICATION in inf & child)
(HAND physiol)

KOPCZYNSKA, Jadwiga

Significance of the determination of the developmental age of the child
in the practice of a school physician. *Pediat. pol.* 37 no.4:437-440
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1. Z Zakladu Higieny AM w Warszawie Kierownik: prof. dr med. M. Kacprzak.

(SCHOOL HEALTH) (GROWTH)

BRZEZINSKI, Zbigniew Jan; KOPCZYNSKA, Jadwiga.

Growth and maturation of rural children. Pediat. Pol. 39
no.3:295-300 Mr'64

1. Z Zakladu Higieny Ogolnej AM w Warszawie; kierownik:
prof.dr.med. M. Kacprzak.

*

KOPCZYNSKA, K.

Embryo sac development in *Pinguicula vulgaris* L. Acta soc
botan Pol 33 no.1:141-156 '64

1. Department of General Botany, Adam Mickiewicz University,
Poznan.

BRZEZINSKI, Zbigniew J.; KOPCZYNSKA-SIKORSKA, Jadwiga

Rate of skeletal maturation and the relative increase of body weight and height. Pol. tyg. lek. 20 no.14:501-503 5 Ap '65.

1. Z Zakladu Higieny Ogolnej AM w Warszawie (Kierownik: prof. dr. Marcin Kacprzak).

KOPCZYNSKA-ZANDARSKA, Krystyna

Stratigraphy and paleomorphology of the Pleistocene of
Wychodziec in the Vistula River region. Acta geol Pol 14
no.3:375-405 '64.

1. Department of Quaternary Geology of the University, Warsaw.

KOPCZYNSKA-ZANDARSKA, Krystyna

The development of the relief of the vicinity of Radzikow during the period of recession of Central-Polish glaciation. Biuletyn Geolog 1 no.1:3-16 '61.

1. Chair of Quaternary Geology, University, Warsaw.

Kopczynski, C.

Field investigations on permanent disinfection of dug wells. A. Smolita and C. Kopczynski. *Gov. Woda i Techn. Sanit.* 25, 122-8 (1981). The work was aimed at (1) detn. of results of const. chlorination done directly in the well, (2) detn. of the amt. of Cl required by different wells, and (3) detn. of the effect of a single disinfection on the bacteriol. compn. of the well water. The study was done over a period of 6.5 months on 30 dug wells in one place. The sanitary state of all the wells was very bad - Cl factor <0.1 ml. to 10 ml. The app. used for the const. Cl dosage (NaOCl soln, const. 4.2% Cl) consisted of a dosimeter in the form of a glass ampul into which one leg of a siphon was introduced. The other leg was immersed in a test tube having a lateral outlet tube on its upper part. The siphon was filled with purified sand, particle size <0.15 or 0.15-0.25 mm., and closed at the ends with silver-mesh or glass-wool plugs. The dosimeter was regulated by the difference of the liquid levels in the ampul and at the test-tube outlet, and was kept constantly full by being connected with a 2-l. flask. One single disinfection would purify a well only for 1-2 days and the water would be back in its original pre-disinfection state within 3-4 days. The const. chlorination gave a permanent disinfection if the Cl content in the well water did not fall below 0.03 mg./l. This, in general, was obtained by supplying 1/3 of the original requirement per every 24 hrs. calcd. on the basis of the total vol. of water in the well. The Cl requirement calcd. on the basis of daily water consumption gave neg. results. The dose detd. by analyzing a 2-l. sample from the well. To 1 l. 1 g. of NaHCO₃ is added and then 1 ml. of 1% NaOCl soln. After 15 min. the remaining Cl is iodometrically detd. on 100 cc. of the sample. If the Cl requirement is higher than 5 mg./l. the analysis is repeated by adding 1.7 ml. of 1% NaOCl to the second liter of the original sample. H. W. L.

KOPCZYNSKI, Czeslaw, mgr inz.

Corrosion resistance of copper alloys used in the electric engineering industry. Inst elektrotech prace 10 no.30:59-72 '62.

1. Zaklad Materialoznawstwa Elektrotechnicznego, Instytut Elektrotechniki, Warszawa.

KOPCZYNSKI, Cezary, inż.; POROWSKI, Jozef, mgr inż.

Induction hardening of big crankshafts. Przegl mech 23
no. 3: 78-81 10 F '64.

1. Instytut Mechaniki Precyzyjnej, Warszawa.

PTA

KOPCZYNSKI, C.

3

1440

614.48 : 622.11

Sanioh A. Kopynski C. Regional Research into the Regular Chlorination of Dug Water Wells.

„Badania terenowe nad stałym chlorowaniem studzien kopanych”. Gaz, Woda i Technika Sanitarna. No. 11, 1951, pp. 322-328, 3 figs., 2 tabs

Research carried out during the summer of 1951 into single and regular sterilisation of 20 rural water wells revealed that: 1) the bacteriological composition of water can, under regular chlorination and with an appropriately selected dose of chlorine, be maintained

at the proper level in any water well; 2) the apparatus for dosing chlorine, described in this article, is foolproof in operation over a considerable time; 3) the soundest method of computing the chlorine dose is on the basis of the initial chlorine requirement of the water; 4) the improvement in the bacteriological quality of the water in the case of one single sterilization, does not last for more than a few days. The method of computing and controlling the chlorine dose has also been decided on. The article contains recommendations as to the servicing of the apparatus.

KOPCZYNSKI, Janusz

Influence on the method of initial processing on the properties
of flex fibers. Przegl włókien 18 no.11:499-502 N '64.

1, Lodz Technical University.

KOPCZYNSKI, Janusz

Analysis of the moistening process in flax processing. Przegl
wlokien 17 no. 1:12-18 Ja '63.

1. Politechnika, Lodz.

KOPCZYNSKI, J.

12749* (Thermal Decomposition of Ferrous Sulfate in Fluidized Bed.) Termiczny rozkład siarczanu żelazowego w fazie fluidalnej. J. Dankiewicz, J. Koczowski, and W. Stelmachowski, *Przemysł chemiczny*, v. 10, no. 8, Mar. 1954, p. 121-125.

Effect of temperature, charge, air velocity, and granulation of raw material on decomposition process. Tables, graphs, diagram. 12 ref.

mjl

KOPCZYNSKI, J.; STELMACHOWSKI, W.; DANKIEWICZ, J.

Burning of marcasite by fluidization. p. 125. (PRZEMYSŁ CHEMICZNY, Vol. 10, No. 3, Mr. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KOPCZYNSKI, Janusz

Technological and economic effects of oxygen retting of flax. Przegl
wlokien 16 no.5:268-271 My '62.

1. Politechnika, Lodz.

KOPCZYNSKI, Marian, mgr inż.

Testing the scavenging and supercharging of the experimental ship engine. Biul techn Cegielski 5:49-60 Special issue '61.

Testing results of the first Polish 9D55 type ship engine. Ibid.:64-71

The 62-VT2Bf-140 engine. Ibid.:116-119

The BH-BAH22 type combustion engines. Ibid.:154-158

The C28 type starting air compressor. Ibid.:160-162

The ITC turbine designed and built in the H.Cegielski Works. Ibid.:172-174

KOPCZYNSKI, Marian, mgr inz.

Testing results of the 9D55 engine during the first journey of the vessel M/S Jan Zizka. Biul techn Cegielski 6 Special issue: 34-35 '62.

Main propelling engines of commercial ships. Ibid.: 45-47

KOPCZYNSKI, Marian, mgr. inż.

Construction and testing results of the first ship engine of
Polish design of the 9D55 type. Przegl mech 21 no.12:374-377.
25 Je '62.

1. Zakłady H. Cegielskiego, Poznan.

KOPCZYNSKI, Marian, mgr. inż.

Construction and testing results of the first 9D55 type ship engine of Polish design. Przegl mech 21 no.11:339-342. 10 Je '62.

1. Zakłady H. Cegielski, Poznan.

KOPCZYNSKI, Marian, mgr inż.

Observations and testing Polish-made 9D55 engine built into the freight motorship "Jan Zizka" during its maiden voyage. Przegl mach 21 no.16:505-506 25 Ag '62.

1. Zakłady H. Cegielski, Poznań.

KOPCZYNSKI, Marian, mgr inż.

Development of internal combustion engines with self-ignition.
Przegl mech 21 no.19/20:582-587 25 0 '62.

1. Zjednoczenie Przemysłu Taboru Kolejowego, Poznan.

KOPCZYNSKI, Marian, mgr inż.

Experimental research on the selection of the cooperation conditions of the D55 combustion engine with the turbocompressor. Przegl mech 22 no.3:69-74 10 F '63.

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KOPCZYNSKI, S.

KOPCZYNSKI, S. Geographical and country lore group of studies in the state pedagogic lycee in Grudzladz; first prize in the contest "Geographical Circle at Work." p. 298. Vol. 9, no. 6, Nov./Dec. 1956. Warszawa, Poland
GEOGRAFIA W SZKOLE

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4—April 1957

BYCZKOWSKI, Stanislaw, dr dr med.; KOPCZYNSKI, Witold; MINCER, Tadeusz;
SENCZUK, Witold; ZEGARSKI, Witold.

Degree of risk of being poisoned by lead for painter maintenance men employed in the ship industry. Bud okretowa
Warszawa 9 no.5:155-156 My '64

1. School of Medicine, Gdansk, and Voivodeship Station for Sanitation and Epidemiology, Gdansk.

KOPCZYNSKI, Witold, dr.

Industrial hygiene in Gdansk in 1929-1939. Arch. hist. med. 28
no.1/2:125-129 '65.

1. Z dzialu Higieny Pracy Wojewodskiej Stacji Sanitarno-Epidemiologicznej w Gdansk (dyrektor dr. W. Karmazyn).

KOPCZYNSKI, Wladyslaw; MARAREWICZ, Teresa

A case of primary cancer of the oviduct. Gin.polska 31 no.3:
339-346 My-Je '60.

1. Z II Kliniki Chorob Kobietych i Poloznictwa A.M. w Gdansk
Kierownik: doc. dr med. W.Gromadzki oraz Z Zakladu Anatomii
Patologicznej A.M. w Gdansk Kierownik: prof. dr med. W.Gzarnocki
(OVIDUCTS neopl)

KOPCZYNSKI, Z.

"Tasks of the electrical machine and apparatus industry as reflected by resolutions of the 9th Plenum of the Central Committee of the Polish United Workers Party." p. 45.
(Przegląd Elektrotechniczny, Vol. 30, no. 2, Feb 54, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

1139

621 314

Kopczynski Z. Three-Winding Transformers for 40,000 kVA, 60 kV of Polish Manufacture.

Krajowe transformatory trojuzwojenowe na 40 000 kVA, 60 kV. Przegląd Elektrotechniczny, No 1-2-3, 1951, pp 28-31, 10 figs.

The article describes two recently built three-winding water-cooled transformers for 40 MVA, 60 kV. A more detailed consideration is given in the article to the problem of manufacture of large interlocked cores and butt-jointed cores, as well as to the securing of the windings and the impulse resistance of the insulation between the windings.

621.314.2
✓ 4051. Actual trends in design and construction of
home-made (Poland) transformers of high rating.
Z. Korczyński. *Przegląd elektrotech.*, 31, No. 2-3,
123-30 (1955) in Polish.
Improvements have arisen from increased produc-
tion, concentration of research, and standardization;
they include continuous winding, semi-hard insula-
tion, screening (which allows a reduction in conductor
insulation and consequently smaller overall dimen-
sions), time-saving manufacturing methods, etc. The
production is mainly limited to medium-size units;
the largest built is a 3-winding 31.5/31.5/31.5 MVA,
117/33/6.3 kV transformer.

A. KARLSSON

KOPCZYŃSKI, Z

5521

021.314.212

• Jezierski E., Gogolewski Z., Kopczyński Z., Szmit J. Transformers 24.
Construction and Design.

„Transformatory, Budowa i projektowanie”, Warszawa, 1956, PWT,
16°, 423 pp, figs., tabs.

Construction of oil power transformers and principles of design.
The sections concerned with over-voltages and heating of transfor-
mers are in considerable detail.

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MAZUR, M., prof. dr; KOPCZYNSKI, Z., mgr inż.; KUROPATJNSKI, ST., mgr inż.;
JAROSZEWICZ, Z., mgr inż.

Review of technical literature. Przegl elektrotechn 40 no.11:
487-492 N '64.

KRUSZYNSKI, Jerzy; EMERYK, Barbara; KOPEC, Aniela

A case of paramyoclonus multiplex. Neurol., neurochir., psychiat.
Pol. 14 no.3:523-524 My-Je '64

1. Z Oddziału Neurologicznego Szpitala Miejskiego w Radomiu
(Ordynator Oddziału: dr. J. Borysiewicz) i z Kliniki Neuro-
logicznej Akademii Medycznej w Warszawie (Kierownik: prof.
dr. med. J. Hausmanowa-Patrusewicz).

KOPEC, B

Cracking of soft steel in ammonium nitrate solutions as a result of intercrystalline corrosion. M. Smiadowski, B. Kopec, and J. Michalik. *Hutnicki Listy* 4, 70-8(1948); cf. C.A. 42, 7005g.—The influence of a boiling 40% soln. of NH_4NO_3 on steel specimens which were subject to tensile and bend tests was studied. The influences of the compn. and the soln. and the compn., structure, and plastic- and heat-treatments of the steel on the speed of cracking of test specimens are also described. The aim of the expts. was to find a relatively cheap method of prevention of intercryst. corrosion. The results of these expts. revealed that the individual factors responsible for intercryst. corrosion are very much interrelated and it is difficult to sep. them. Wire and sheet specimens made of C steel and placed in b. NH_4NO_3 soln. cracked under stresses which were considerably below the tensile strength of the steel. The time required for effecting the cracking of a specimen

increases with the ratio of the cross section to its circumference. Addn. of 0.1% $(\text{NH}_4)_2\text{HPO}_4$ or 2% $\text{Pb}(\text{NO}_3)_2$ to the NH_4NO_3 soln. reduces the speed of intercryst. corrosion, while the presence of Cu and Ag ions increases it. The action of NH_4NO_3 on steel is accompanied by the development of N bubbles; they develop faster at the development of a final corrosion crack occurs. Cold-rolled specimens cut in the direction of the rolling do not show inclination to intercryst. corrosion, but specimens cut perpendicular to the rolling axis show more inclination to such corrosion. Steel deoxidized with an excess of Al shows strong resistance to intercryst. corrosion after annealing at 850° followed by quick cooling. Annealing at temps. below 700° also have a favorable effect, but annealing above 700° in air, N, or H has an adverse effect if it is followed by slow cooling. Decarburization of the surface layer and increase of the no. of grains (fineness) also speeds up intercryst. corrosion. E. Gross

5 KAPES, B 20

THE CRACKING OF MILD STEEL UNDER THE INFLUENCE OF INTERCRYSTALLINE CORROSION IN AMMONIUM NITRATE SOLUTION. M. Smialowski, B. Kopeć, and J. Michalik. (Prace Badawcze Głównego Instytutu Metalurgii i Odlewnictwa, 1949, No. 1, pp. 1-12). (in Polish). The authors present and discuss the results of corrosion tests on mild steel plate under load in 40% ammonium nitrate solution at 100° C. Contrary to the views of Straub and Ruttman, plotting the corrosion time against the load on a double logarithmic scale does not give a straight line. The presence of a little ammonium phosphate decreased the rate of corrosion. Specimens cut at right-angles to the direction of rolling corroded more quickly than those cut in the direction of rolling. Steels deoxidized with an excess of aluminium, tempered at about 850° C. followed by rapid cooling, were highly resistant to intercrystalline corrosion. Specimens reheated in nitrogen or hydrogen to above 700° C. and cooled slowly suffered rapid intercrystalline corrosion. Tempering at low temperatures (e.g., 680° C.) gave the specimens considerable resistance. —R.A.R.

ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION

621.771.01

621.771.01

KOŁ. INŻ. Zb., mgr inż.

The new Elta Transformer Works in Lodz. Przegl elektrotechn 41 no.1:
3-6 Ja '65.

1. Elta Transformer Works, Lodz.

KOPEC, B.

"Founding Zinc in Electric Furnances." p. 265 (Hutnik, Vol. 20, No. 8, Aug. 1953,
Katowice)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June,
1954, Uncl.

KOPEC, B.

An alternative plan of organization of farms. p. 569

NOWE ROLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Poland
Vol. 8, no. 15, Aug 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 9, September 1959.
Uncl.

NIKODEMOWICZ, Eugeniusz; KOPEC, Halina

Small-picture radioplanimetry in respiratory function tests.
Gruzlica 31 no.12:1207-1216 D'63.

1. Z Kliniki Ftizjatrycznej AM w Krakowie. Kierownik: prof.
dr.med. S.Hornung.

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KOPEC, Halina.

Peripheral blood picture in the treatment of pulmonary tuberculosis with isonicotinic acid hydrazide. Gruslica 23 no.9:615-622 Sept. 55.

1. Z Kliniki Ftyszjatrycznej A M w Krakowie. Kierownik: prof. dr. St. Hornung. Krakow, ul. Skawinska 8. Klinika Ftyszjatryczna Akademii Medycznej.

(TUBERCULOSIS, PULMONARY, the apy.

isoniazid, eff. on blood picture)

(NICOTINIC ACID ISOMERS, therapeutic use,

isoniazid in pulm. tuberc., eff. on blood picture)

(BLOOD,

picture, eff. of isoniazid in pulm. tuberc.)

KOPEC, Halina

Haemopneumothorax spontaneous. Gruslica 24 no.5:399-404
May 56.

1. Z Kliniki Ftysjatrycznej A.M. w Krakowie Kierownik: prof.
dr. St. Hornung. Krakow, ul. Skawska 8.
(HEMOPNEUMOTHORAX, case reports,
(Pol))

KOFEC, Helena

Ethylacetylacetate isonicotinoylhydrazono (preparation 7-128)
in the treatment of pulmonary tuberculosis. Graziop. 3.1 no. 5:
453-458 Ky 1964.

1. S Kliniki Fizjatroznej Akademii Medycznej w Krakowie
(Kierownik: prof. dr. S. Hornung).

DEPOWSKI, Marian; KOPEC, Halina

Acute respiratory insufficiency caused by aortic aneurysm.
Gruzlica 33 no.11:1221-1224 N ' 65.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie (Kierownik:
prof. dr. J. Kowalczykowska) i z Kliniki Fizjologicznej AM w
Krakowie (Kierownik: prof. dr. S. Hornung).

Mathematical Reviews
Vol. 14 No. 10
Nov. 1953
Analysis

6-23-91
LL

Kopec, J. On vector-valued almost periodic functions.
Ann. Soc. Polon. Math. 25 (1952), 100-105 (1953).
By applying Banach space theorems (notably the existence of a denumerable weak-dense set of functionsals in the conjugate space of a separable Banach space and Masur's theorem to the effect that weak sequential limit points of convex sets are strong sequential limit points), the author establishes some of the classical results of Bochner [Acta Math. 61, 149-184 (1933)] on vector-valued almost periodic functions. The theorems for an almost periodic $x(t)$ are: 1) $M_{\tau}\{x(t)e^{i\lambda t}\} \neq 0$ for at most countably many λ ; 2) let $S_{\lambda}(\omega) = M_{\tau}\{x(t+\omega)K^{\lambda}(\omega)\}$, where $K^{\lambda}(0)$ is the classical Bochner polynomial, then $\|S_{\lambda}(t)\| \rightarrow 0$ uniformly.

B. Gelbaum (Minneapolis, Minn.).

by $U(x)$ and called a power
 $M_n = \sup \|U(x_1, \dots, x_n)\|$ for $\|x_i\| \leq 1$,
 $P_n = \sup \|U(x)\|$ for $\|x\| \leq 1$.

The present paper shows by an example that for each n it is possible to have $M_n < (n^n/n!)P_n$ in spaces chosen are $X = L(0, 1)$, the space of reals. It has long been known that $M_n \leq (n^n/n!)P_n$. This result is given in the thesis of R. S. Martin (California Inst. Tech. 1932; unpublished) and the argument is reproduced in a paper by

HOPEC, J. (Poznan); MUEIELAK, J. (Poznan)

On quasianalytic classes of functions, expansible in series. Annales
pol math 7 no.3:285-292 '60. (KEAI 9:10)
(Functions) (Series)

KOPEC, J.

PHASE I BOOK EXPLOITATION

POL/5733

Polskie Towarzystwo Matematyczne

Prace matematyczne (Mathematical Transactions) Warsaw, Państwowe Wydawn.
Naukowe, 1961. 146 p. (Series: Irs: Roczniki. Seria I., [no] 5)
1,150 copies printed.

Editorial Board: Chief Ed.: Władysław Orlicz; Deputy Chief Ed.: Marcell
Stark, Adam Bielecki, Witold Bogdanowicz, Stanisław Gołąb, Jerzy Górski,
Stanisław Hartman; Secretary: Julian Musielak, Zbigniew Semadeni,
Krzysztof Tatarkiewicz.

PURPOSE: This book is intended for mathematicians.

COVERAGE: This is a collection of 14 articles on the theory of functions, theory
of numbers, theory of series, functional analysis, differential equations, and
their applications to hydrodynamics and thermodynamics. No personalities are
mentioned. References follow each article.

Card 1/4

73

Mathematical Transactions

POL/5733

Mioduszewski, J. On k-to-One Continuous Function on the Closed Interval and the Straight Line

79

Rotkiewicz, A. On Numbers of the $\frac{4k+1}{4k} - 1$, $\frac{4k+3}{4k+4} + 1$

95

Zamorski, J. Estimating Coefficients of Functions Belonging to Two Classes of k-Symmetric Schlicht Functions

101

Ci Guan Fu [Ch'i Kuan-fu]. On the Absolute Convergence of Multiple Walsh and Fourier Series

107

Józefiak, T. On a Hypothesis of L. Jesmanowicz Concerning Pythagorean Numbers

119

Semadeni, Z. Generalization of Helly's Theorem Concerning the Solvability of Moment Problems in Banach Spaces

125

Card 3/4

11.3000

34569
S/044/62/000/001/014/061
C111/C444

AUTHOR: Kopeć, J.

TITLE: On classes of quasianalytic vector functions

PERIODICAL: Referativnyy zhurnal. Matematika, no. 1, 1962, 28,
abstract 1 B 135. (Roczn. Polsk. towarz. mat. Ser. I. Prace
mat., 1961, 5, 43 - 51)

TEXT: Notations : $\{m_n\}$ be an arbitrary sequence of positive numbers;
 $C_R\{m_n\}$ be the class of real functions which in the (open, closed,
finite or infinite) interval I are defined, bounded and infinitely often
differentiable and possess the property that to every $f \in C_R\{m_n\}$ there
exists a constant $A = A(f)$ such that

$$\sup_I |f^{(n)}(t)| \leq A m_n \quad (n = 1, 2, \dots);$$

$C\{m_n\}$ be the class of vector functions with values in a Banach space and
with the same properties as the functions of the class $C_R\{m_n\}$ except

Card 1/3

On classes of quasianalytic ...

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that here instead of the absolute value stands the norm. $C_A \{m_n\}$ be the class of functions $x(t)$, for which $\forall x(t) \in C_R \{m_n\}$ for every $\xi \in A \subset \mathbb{R}$.

The class $C \{m_n\}$ is called a class of quasianalytic functions in I , if from the condition $x(t) \in C \{m_n\}$, $x^{(n)}(t_0) = 0$ ($n = 0, 1, \dots; t_0 \in I$) it follows the condition $\|x(t)\| = 0$ in I . If $A = \Gamma'$ is a strongly norming set of linear functionals, then $C_{\Gamma'} \{m_n\} = C \{m_n\}$. In order $C \{m_n\}$ to be a class of quasianalytic functions, it is necessary and sufficient that $C_R \{m_n\}$ be a class of quasianalytic functions. The class of functions $C \{n!\}$ is identical with the class of all possible functions being analytic in $\langle a, b \rangle$. From this statement there follows a certain improvement of the theorem of Alexiewicz - Orlicz on weakly analytic functions of one real variable. In order $C \{m_n\}$ to be enclosed in $C \{m'_n\}$ it is necessary and sufficient that $C_R \{m_n\} \subset C_R \{m'_n\}$.

Card 2/3

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'61.

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prace matem no.7:141-154 '62.

BENES, Jaroslav; KOPEC, Josef

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KOPEC, KAREL

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KOPEC, Karel, doc. inz. CSc.

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no.2:72-75 F '65.

1. Higher School of Agriculture, Lednice na Morave. Submitted
October 23, 1964.

CZECHOSLOVAKIA / Czechoslovakia
APPROVED FOR RELEASE: 03/13/2001
and Their Uses. Part III. Food Industry.

Abs Jour : Ref Zhur-Khimiya, No 15, 1958, 51862

Author : Kopec, Karel

Inst : -

Title : Loss of Weight of Fruit Flesh in Stewed
Fruits upon Sterilization.

Orig Pub : Prumysl potravin, 1958, 9, No 1, 39-43

Abstract : The causes of weight loss of fruit flesh
in cooked fruits were studied. These chan-
ges are linked with the mechanical pro-
perties of fruit flesh and with the effect
of diffusive and osmotic forces. The higher
the osmotic pressure, therefore, the greater
is the changes of weight during and immedia-

Card : 1/2

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Packing by O-rings. Strojirenstvi 14 no.1:25-34 Ja'64.

1. Ostravsko-karvinsky revir (for Kopec). 2. Vitkovické
zelezarny Klementa Gottwalda, Ostrava (for Tucnik).

1ST AND 2ND COPIES										3RD AND 4TH COPIES									
PROCESSES AND PROPERTIES INDEX																			
<p>F</p> <p>2707. THE ELECTRICITY SUPPLY INDUSTRY IN SOVIET RUSSIA. Kopce L. and Perlin, B. (Electrotech. Obzor, Nov. 1945, 34, No. 15-16, 228-30; Engrs' Dig., Aug. 1946 7, 230-1) The development of electricity supply in the U.S.S.R. since 1920 made Russia the third largest electricity producer in the world. The success of electrification in Russia is attributed to five basic principles: electricity production and consumption are treated and planned for as one economic unit; emphasis is laid on the utilization of local low grade fuels; electricity production is combined with steam supply for the purpose of obtaining higher thermal efficiency; water power is used whenever possible; and a unified high tension transmission system is being built for the whole country. Construction of power stations has been speeded up. As regards the organization of electricity supply, reliability, economy are the main concerns. The interest of the State are put</p>																			
<p>ASB-11A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
FROM STUDENT										FROM DOMESTIC									
100000 #1										100000 #1									

before local interests. A central planning commission supervises the planning for all four groups of electricity supply undertakings. The management of the individual supply undertakings rests with one man nominated by the Ministry for Electricity Supply. The works council assists him in management and cooperates with him on social and cultural problems. Rigid discipline is enforced; the manager can dismiss any member of the staff of his own responsibility but the works council can appeal to higher authorities if it disagrees, which has not yet occurred. Each supply undertaking is given a definite task. The staff participates in any profit arising from a better performance than is prescribed. Wages are determined by qualifications and work done by the individual. A minimum of work is required from each employee but heavy workers have higher wages, more food, longer holidays and shorter hours.

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(Energetika, Vol.3, No.1, Jan. 1953, Praha.)

SO: Monthly List of East European Accessions, Vol.2, No.9, Library of Congress, September 1953, Uncl.

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"Coal Economy During an Optimal Distribution of the Power Load on a Single Machinery Unit in an Electric Power Plant."p. 64 (ENERGETIKA, Vol. 3, No. 2, February 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954, Unclassified

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15539* Rubber in Hydraulic Mechanisms. *Průřez hydraulice.* (Czech.) L. Kopeck. *Strojrenice*, v. 5, no. 4, Apr. 1955, p. 301-303. MT

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Czechoslovakia

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KOPEC, L. The development of power production in the 3d and the 4th Five-Year Plan. p. 33.

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"Forty years of Soviet electric-power production."

p. 549 (Energetika) Vol. 7, no. 11, Nov. 1957
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SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
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POLAND/Human and Animal Physiology - Internal Secretion.

V-9

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4269
Author : B. Narbutt, L. Kopec
Inst : -
Title : A Functional Test of the Adrenal Glands with Intrave-
nous Drop Administration of ACTH.
Orig Pub : Polski tygodn. lekar, 1955, 10, No 14, 424-429
Abstract : No abstract.

Card 1/1

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Excretion of 17-ketosteroids in normal conditions and in certain endocrine diseases. Postepy wiedzy med. 3 no.2: 103-128 Apr-June 56.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej Slaskiej A.M. im Ludwika Warynskiego Kierownik: prof. dr. K. Dux
Z Oddzialu Endokrynologicznego i Kliniki Chorob Wewnetrznych Slaskiej A.M. im Ludwika Warynskiego Kierownik: prof. dr. J. Japa.
Z Zakladu Biologii Nowotworow Instytutu Onkologii (Oddzial w Gliwicach) Dyrektor: dr. J. Swiecki, Kierownik: prof. dr. K. Dux.

(STEROIDS, in urine,

17-keto, in normal cond. & in endocrine dis., review (Pol))
(URINE,

17-ketosteroids in normal cond. & in endocrine dis.,
review (Pol))

(ENDOCRINE DISEASES, urine in,
17-ketosteroids, review (Pol))

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(KLINEFELTER'S SYNDROME, compl)
(EPIPHYSES dis)

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(OSTEITIS DEFORMANS, case reports)

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NOTE, M.
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1953. (CML 25:5)

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(5217)

The correct diagnosis was established during life and confirmed at autopsy. Death occurred in the 4th month of the disease. In the terminal stage the RBC count reached 9,800,000 and Hb 150%, while the platelet count dropped to 59,000 with bleeding time of 13.5 min. Blood coagulation was also impaired, the prothrombin index amounting to 6%.

Gibinski-Bytom

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A.Hausmann.

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11 no.29:1303-1313 16 July 56.

(ISOTOPES,
diag. & ther. use, review (Pol))

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Plasminogen-like bodies in human blood vessels. Polski tygod. lek.
11 no.35:1536 27 Aug 56.

1. (Z pracowni Biochemii Klinicznej Instytutu Hematologii;
kierownik: doc. dr. med. E. Kowalski) Warszawa ul. Chocimska
5, Instytut Hematologii.

(FIBRINOLYSIN,

profibrinolysin-like bodies in blood vessels (Pol))

(BLOOD VESSELS, physiology,

profibrinolysin-like bodies in vasc. walls (Pol))

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Instytutu Hematologii Kierownik: doc. dr. med. E. Kowalski,
Warszawa, ul. Chocimska 5, inst. Hemat.

(ANEMIA, HYPOCHROMIC, therapy
saccharated iron oxide, intravenous admin. (Pol))

(IRON, therapeutic use
anemia, hypochromic, intravenous saccharated iron
oxide admin. (Pol))

EXPERIMENTA MEDICA Sec. 2 Vol. 10/7 Phy. Biochem. July 57

2944. KOPEC M^W and NIEWIAROWSKI S. Pracowni Biochem. Klin. Inst. Hematol., Warszawa. Czynnosc fibrynolityczna osocza osób zdrowych. *Fibrinolytic activity in plasma of normal subjects* Pol. Arch. Med. wewnet. 1956, 26/9 (1321—1328) Graphs 3 Tables 4

Fibrinolytic and proteolytic activity in plasma of normal subjects was studied by the following methods: (1) Determination of the fibrinolysis time in blood clots (78 determinations). (2) Determination of the fibrinolysis time in plasma clots (37 determinations). (3) Determination of fibrine decrease in clots incubated at 37° for 24 hr. (44 determinations). (4) Determination of the fibrinolysis time in euglobulins, prepared from human plasma (56 determinations). (5) Determination of the increase in acid-soluble tyrosine during fibrinolysis in the euglobulins (38 determinations). (6) Determination of the increase in acid-soluble tyrosine during incubation of serum euglobulins with casein (22 determinations). The conditions influencing euglobulin clot lysis time were examined. The calculated normal values are compared with values from the literature. The discrepancies between the results obtained using various methods are discussed.

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(BLOOD DISEASES,

erythrocyte cholinesterase activity in (Pol))

(CHOLINESTERASE, in blood,

erythrocytes, in blood dis. (Pol))

KOPEC, Maria

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(COLLAGEN,
eff. of plasmin (Pol))
(FIBRINOLYSIN, effects,
on collagen (Pol))

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NIEWIAROWSKI, Stefan; KOPEC, Maria

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no.3:89-90 20 Jan 58.

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doc. dr Edward Kowalski. Adres: autorow: Warszawa, ul. Chocimska 5,
Instytut Hematologii.

(HEMOSTATICS

coagulen, clin. failure (Pol))

GETNAROWICZ, H.; CZECHOWSKA, Z.; KOPEC, M.; ZOBOKRZYCKI, J.

Cystic disease of renal pyramids. Polski przegl. radiol. 22 no.4:
233-240 July-Aug 58.

1. Z Instytutu Hematologii Dyrektor: doc. dr. med. A. Trojanowski.
(KIDNEYS, cysts
cystic dis. of renal pyramids, case report (Pol))

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doc. H. Kowalski Instytutu Hematologii Dyrektor: doc. dr med. A.
Trojanowski.
(FIBRINOLYSIS)

CETNAROWICZ, Halina; CZECHOWSKA, Zofia; KOPEC, Maria

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Polskie arch.med.wewn. 29 no.10:1383-1391 '59.

1. Z Oddz. Wewn. Kierownik: doc. dr med. B. Kowalski i s
Pracowni Anatomopatologicznej Kierownik: dr med. Z. Czechowska
Instytutu Hematologii Dyrektor: doc. dr med. A. Trojanowski.
(PLASMA CELL blood)
(BLOOD PROTEINS)

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Warsaw; Director: E. KOWALSKI, Prof., Dr. med.

Source: Warsaw, Przegląd Lekarski, No 5, 1961, p 211.

Data: "Fibrinolysis in Diseases of the Hematopoietic System."

Co-authors:

PAWELSKI, Slawomir, Dr med, Director of the Hematological Division of the
Institute of Hematology (Oddzial Hematologiczny Instytutu Hematologii),
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KOPEC, MARIN

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Date: "Investigation on the Provocation of the Picture of Dysproteinemia by the Action of Plasma on Fibrinogen." (Abstract)

Co-authors:

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MURAWSKI, K.

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 Docent A. TROJANOWSKI, dr med
 Source: Warsaw, Przegląd Lekarski, No 5, 1961, pp 212-213.
 Date: "Biologically Active Products of Fibrinolysis."
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 Diseases, Warsaw; Director: Prof E. KOMALSKI, dr med.
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Source: "Warsaw, Przegląd Lekarski, No 3, 1961, p. 218.
Date: "Some Rare Hemorrhagic Diatheses."
Co-authors:
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